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What is claimed is:

- A multimedia service system using a virtual server comprising: clients for requesting information and receiving information corresponding to the request;
- a server for providing the corresponding information according to the request by the clients; and
- a virtual server being connected with the clients via a first network to receive the request on information from the clients and transmit it to the server, and being connected with the server via a second network to receive and store the information provided from the server, control a traffic of the networks and transmit the information suitable to the characteristics of the clients.
- 2. The multimedia service system according to claim 1, wherein the server comprising:
 - a first data base for storing a full size of information; and
- a second data base for storing a critical part extracted from the full size of the information stored in the first data base.
- 3. The multimedia service system according to claim 2, wherein the virtual server transmits the full size of information to the clients or a critical part extracted from the information to the clients.
- 4. The multimedia service system according to claim 2, wherein the information includes a multimedia of an MPEG form.

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- 5. The multimedia service system according to claim 4, wherein the information stored in the second data base includes a multimedia having a small number of 'B' picture or having a small number of 'B' picture and 'P' picture.
- 6. The multimedia service system according to claim 1, wherein the virtual server reduces a data transfer rate difference between a first data transfer rate of a first network connected between itself and the server and a second data transfer rate of a second network connected between itself and the client.
- 7. The multimedia service system according to claim 6, wherein the first data transfer rate is faster than the second data transfer rate.
- 8. The multimedia service system according to claim 1, wherein the virtual server comprising:

a main memory for storing information received from the server;

an auxiliary memory for storing information outputted from the main memory; and

a controller for managing specifications of the server and the clients and information session outputted from the server, and controlling the main memory and the auxiliary memory and information transmitted between the main memory and the auxiliary memory.

- 9. The multimedia service system according to claim 8, further comprising:
 - a first interface unit connected with the first network; and

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a second interface unit connected with the second network.

10. The multimedia service system according to claim 8, wherein the server comprising:

a first data base for storing a full size of information; and

a second data base for storing a critical part extracted from the full size of information stored in the first data base.

- 11. The multimedia service system according to claim 8, wherein in a state that information is stored in the auxiliary memory as having been requested by a previous client, in case that a different client requests the same information as previously stored one, the virtual server transmits the same information from the auxiliary memory to the different client.
- 12. The multimedia service system according to claim 10, wherein, under the control of the controller, the main memory receives and stores the full size of information and transmits it to the client, and at the same time, outputs it to the auxiliary memory.
- 13. The multimedia service system according to claim 10, wherein, under the control of the controller, the auxiliary memory stores information outputted from the main memory or receives and stores the critical part extracted from the information, and transmits it to the client.
 - 14. The multimedia service system according to claim 1, wherein the

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characteristics of clients includes a reproduction speed of the clients.